

CLAIMS

1. A sealing material for an ant groove, which is fitted to the ant groove made in a surface of either one of members in a joint place between these members and contacts with a surface of the other member, thereby sealing both the members,
5 with the sealing material comprising:
an elastically deformable material; and
a sectional shape having: a straight bottom edge which is disposed on a bottom face of said ant groove; an arched convex edge which contacts with the surface of
10 said other member facing said ant groove; a first projecting edge which connects with one end of said bottom edge and projects outside; a concave inlet portion which is located between said first projecting edge and said arched convex edge; a second projecting edge which connects with the other end of said straight bottom edge and is composed of straight lines that project outside; a straight sloping edge of which one
15 end connects with the opposite end of said arched convex edge as to said first projecting edge and of which the other end connects with said second projecting edge; and at least one corner portion which is constituted in the range of from said straight bottom edge via said second projecting edge to said sloping edge.
- 20 2. A sealing material for an ant groove according to claim 1, wherein the maximum value X of distances of from said corner portion to said concave inlet portion has a relationship of $X/B = 1.00-1.10$ with an opening width B of said ant groove.
- 25 3. A sealing material for an ant groove according to claim 1 or 2, wherein:
said second projecting edge is formed by connecting a pair of straight edges together in a convexly crooked shape; and
said corner portion is constituted in the following three places: a place between

said straight bottom edge and said second projecting edge; a crooked place of said second projecting edge; and a place between said second projecting edge and said sloping edge.

- 5 4. A sealing material for an ant groove according to any one of claims 1 to 3, which:

 further comprises a vertical edge connecting said arched convex edge and said concave inlet portion together; and

- makes a clearance between said vertical edge and an opening edge of said ant
10 groove when fitted to said ant groove.

5. A sealing material for an ant groove according to claim 1, which:

 is fitted to said ant groove of a ring shape in a ring shape corresponding to said ant groove of the ring shape;

- 15 has a location such that said first projecting edge and said concave inlet portion are located at the outer peripheral side of said ring shape;

 has a location such that said second projecting edge, said straight sloping edge, and said corner portion are located at the inner peripheral side of said ring shape; and

- has a peripheral length extended by 1-10 % in a state fitted to said ant groove
20 of the ring shape when compared with a free state.